

## 2012 Nutrient Trades Report

§ 62.1-44.19:18.E. of the State Water Control Law requires that by July 1st of each year, DEQ publish notice of all nitrogen and phosphorus credit exchanges and purchases for the previous calendar year and make all documents relating to the exchanges and purchases available to any person requesting them.

2012 was the second year in which all facilities were required to meet their respective wasteload allocations. All but 26 registrants under the general permit met their wasteload allocations without the need for trading. All 26 facilities that exceeded their Total Nitrogen and/or Total Phosphorus wasteload allocations acquired enough credits to meet their compliance needs. An adequate supply of credits was available in every basin.

## 2012 Total Nitrogen Credit Transfers

	Facility	Individual VPDES Permit No.	General Permit Registration No.	Discharged TN Wasteload Allocation (lbs/yr)	TN Delivery Factor	Delivered TN Wasteload Allocation (lbs/yr)	2012 Discharged TN (lbs)	2012 Delivered TN (lbs)	2012 Delivered TN Exceedance (lbs)	2012 Delivered TN Credits Obtained (lbs)	Source of Credits
Potomac	Front Royal STP	VA0062812	VAN010010	48,729	0.67	32,648	118,502	79,396	46,748	46,748	NCEA
Potomac	Strasburg STP	VA0020311	VAN010102	11,939	0.67	7,999	41,390	27,731	19,732	19,732	NCEA
Potomac	Berryville STP	VA0020532	VAN010040	8,528	0.67	5,713	20,451	13,702	7,989	7,989	NCEA
Potomac	Massanutten PSC STP	VA0024732	VAN010039	18,273	0.44	8,040	21,815	9,599	1,559	1,559	NCEA
Potomac	Merck (Outfall 101) <sup>A</sup>	VA0002178	VAN010007	43,835	0.44	19,287	19,900	8,756	0	2,324	NCEA
Rappahannock	Fredericksburg WWTF	VA0025127	VAN020095	54,820	1.00	54,820	62,756	62,756	7,936	7,936	NCEA
Rappahannock	Urbanna WWTP	VA0026263	VAN020034	1218	1.00	1,218	4,347	4,347	3,129	3,129	NCEA
York	Bear Island Paper Company	VA0029521	VAN030133	47,328	0.51	24,137	77,568	39,560	15,423	15,423	NCEA
York	Caroline Co. Regional STP	VA0073504	VAN030045	9,137	0.42	3,837	18,869	7,925	4,088	4,088	NCEA
James	So. Central Wastewater Authority WWTF	VA0025437	VAN040087	350,239	1.00	350,239	481,933	481,933	131,694	131,694	NCEA
James	Lake Monticello STP	VA0024945	VAN040074	18,182	0.61	11,091	55,183	33,662	22,571	22,571	NCEA
James	BWX Technologies, Inc.	VA0003697	VAN040072	187,000	0.61	114,070	219,546	133,923	19,853	19,853	NCEA
James	Covington STP	VA0025542	VAN040065	54,820	0.30	16,446	63,689	19,107	2,661	2,661	NCEA
Eastern Shore	Tangier Island WWTP	VA0067423	VAN050004	1,218	1.00	1,218	3,212	3,212	1,994	1,994	NCEA
Eastern Shore	Shore Memorial Hospital	VA0027537	VAN050003	1,218	1.00	1,218	2,130	2,130	912	912	NCEA
Total									286,288	288,613	

### Footnotes

<sup>A</sup> In any year when credits are available after all other exchanges within the Potomac Basin are completed in accordance with § 62.1-44.19:18 of the Code of Virginia, Merck shall acquire credits for TN discharged in excess of 14,619 lbs/yr and TP discharged in excess of 1,096 lbs/yr. This equates to an acquisition of 2,324 delivered lbs of TN and 339 delivered lbs of TP for 2012.

## 2012 Total Phosphorus Credit Transfers

	Facility	Individual VPDES Permit No.	General Permit Registration No.	Discharged TP Wasteload Allocation (lbs/yr)	TP Delivery Factor	Delivered TP Wasteload Allocation (lbs/yr)	2012 Discharged TP (lbs)	2012 Delivered TP (lbs)	2012 Delivered TP Exceedance (lbs)	2012 Delivered TP Credits Obtained (lbs)	Source of Credits
Potomac	Front Royal STP	VA0062812	VAN010010	3,655	0.77	2,814	9,722	7,486	4,672	4,672	NCEA
Potomac	Massanutten PSC STP	VA0024732	VAN010039	1,371	0.77	1,055	6,692	5,153	4,098	4,098	NCEA
Potomac	Strasburg STP	VA0020311	VAN010102	895	0.77	689	5,009	3,857	3,168	3,168	NCEA
Potomac	Berryville STP	VA0020532	VAN010040	640	0.77	492	3,472	2,673	2,181	2,181	NCEA
Potomac	USNSWC-Dahlgren WWTF	VA0021067	VAN010041	658	1.00	658	1,500	1,500	842	842	VAN010043 <sup>B</sup>
Potomac	Georges Chicken	VA0077402	VAN010011	1,553	0.77	1,196	1,798	1,384	188	188	VAN010006 <sup>C</sup>
Potomac	VA Poultry Growers Cooperative-Hinton	VA0002313	VAN010009	1,371	0.77	1,055	1,471	1,133	78	128	VAN010008 <sup>D</sup>
Potomac	Stoney Creek S.D. STP	VA0028380	VAN010015	548	0.77	422	570	439	17	17	NCEA
Potomac	Merck (Outfall 101) <sup>A</sup>	VA0002178	VAN010007	4,384	0.77	3,376	1,537	1,183	0	339	NCEA
Rappahannock	Urbanna WWTP	VA0026263	VAN020034	91	1.00	91	753	753	662	662	NCEA
Rappahannock	Montross-Westmoreland WWTP	VA0072729	VAN020032	119	1.00	119	167	167	48	48	NCEA
Rappahannock	Rapidan STP	VA0090948	VAN020026	548	1.00	548	576	576	28	28	NCEA
Rappahannock	Reedville S.D. WWTP	VA0060712	VAN020101	183	1.00	183	210	210	27	27	NCEA
James	Lake Monticello STP	VA0024945	VAN040074	1,515	1.00	1,515	6,474	6,474	4,959	4,959	NCEA
James	Buena Vista STP	VA0020991	VAN040063	3,426	1.00	3,426	7,804	7,804	4,378	4,378	NCEA
James	E. I. DuPont-Spruance	VA0004669	VAN040079	7,816	1.00	7,816	11,275	11,275	3,459	3,459	NCEA
James	So. Central Wastewater Authority WWTF	VA0025437	VAN040087	35,024	1.00	35,024	38,163	38,163	3,139	3,139	NCEA
James	Covington STP	VA0025542	VAN040065	4,568	1.00	4,568	7,561	7,561	2,993	2,993	NCEA
James	Dominion-Chesterfield	VA0004146	VAN040086	210	1.00	210	2,385	2,385	2,175	2,175	VAN040080 <sup>E</sup>
Eastern Shore	Tangier Island WWTP	VA0067423	VAN050004	91	1.00	91	383	383	292	292	NCEA
Eastern Shore	Cape Charles WWTP	VA0021288	VAN050001	228	1.00	228	241	241	13	13	NCEA
Total									37,417	37,806	

### Footnotes

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<sup>B</sup> VAN010043 - USMC Quantico

<sup>C</sup> VAN010006 - Town of Luray STP

<sup>D</sup> VAN010008 - Alma Plant

<sup>E</sup> VAN040080 - Chesterfield County Aggregate